

AMENDMENTS TO CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (previously presented): A communication control network, comprising:

a mobile phone; and

a directory server remote from said mobile phone, comprising:

a storage unit which stores a directory of records, each record comprising data of a contact; and

a communication control unit, which refers to the directory to determine whether or not a requested connection of a contact to said mobile phone is permitted, and which transmits a response indicative of permission or non-permission of the connection.

2. (previously presented): The communication control network according to claim 1, wherein said mobile phone comprises:

a storage unit, which stores the directory of records, each record comprising at least a name, a phone number, or an e-mail address of a contact, such that the directory of records stored in said directory server is a replica of the directory of records stored in said mobile phone;

an operation section, which generates an upload instruction in response to an operation by a user of said mobile phone; and

a transmitting section, which transmits the directory of records from said mobile phone to said directory server in response to the upload instruction, such that the directory of records of said mobile phone is stored in said directory server as a replica directory of records.

3. (previously presented): The communication control network, according to claim 2, wherein:

a group of records of the directory of said mobile phone includes an edit flag;

said mobile phone further comprises an editing section, which edits the group of records including the edit flag in response to an operation by the user; and said transmitting section of said mobile phone transmits the records of the group including the edit flag to said directory server in response to the upload instruction such that the group of records including the edit flag is stored as part of said replica directory of records in said directory server.

4. (previously presented): The communication control network, according to claim 3, wherein the group of records comprises only one record.

5. (previously presented): The communication control network, according to claim 1, wherein said mobile phone comprises:

a storage unit;

an operation section, which generates a download instruction in response to an operation by a user of said mobile phone;

a transmitting section which transmits said download instruction to said directory server; and

a receiving section, which receives, as a duplicate directory of records, at least part of the directory of records which is accessed from said storage unit of said directory server in response to the download instruction;

wherein each record comprises at least a name, a phone number, or an e-mail address of a contact.

6. (previously presented): The communication control network, according to claim 1, wherein:

the requested communication is a phone call;

each record, stored in the directory of records of said directory server, comprises a phone number of a contact and a non-permission flag, which is set when a phone call from the

corresponding contact should not be connected and which is reset when a phone call from the corresponding contact should be connected;

said communication control network further comprises:

a switching apparatus which connects a phone call from a contact when a permission response is received from said communication control unit, and which discards a phone call from a contact when a non-permission response is received from said communication control unit.

7. (previously presented): The communication control network, according to claim 1, wherein:

the requested connection is an e-mail;

each record, stored in the replica directory of records of said directory server, comprises an e-mail address of a contact and a non-permission flag, which is set when an e-mail from the corresponding contact should not be delivered, and which is reset when an e-mail from the corresponding contact should be delivered;

said communication control network further comprises:

a mail server which delivers an e-mail from a contact when a permission response is received from said communication control unit, and which discards an e-mail from a contact when a non-permission response is received from said communication control unit.

8. (previously presented): A mobile phone, comprising:

a storage unit, which stores a directory of records, each record comprising at least a name, a phone number, or an e-mail address of a contact;

an operation section, which generates an upload instruction in response to an operation by a user of said mobile phone; and

a transmitting section, which transmits the directory of records to a directory server in a communication control network to be stored therein as a replica directory of records in response to said upload instruction.

9. (previously presented): The mobile phone, according to claim 8, wherein:

a group of the directory stored in said storage unit includes an edit flag;

said mobile phone further comprises an editing section which edits the group of records including the edit flag in response to an operation by the user; and

said transmitting section transmits the records of the group including the edit flags to said directory server in the communication control network in response to the upload instruction, such that the group of records including the edit flag is stored as part of the replica directory of records in said directory server.

10. (previously presented): The mobile phone according to claim 9, wherein the group of records comprises only one record.

11. (previously presented): The mobile phone according to claim 8, wherein
said operation section generates a download instruction in response to an operation by the user;

said transmitting section transmits the download instruction to and the directory server in the communication control network; and

the mobile phone further comprises a receiving section, which receives the replica directory of records from said directory server in the communication control network in response to the download instruction.

12. (previously presented): A directory managing system, comprising:

a mobile phone, comprising:

a storage unit, which stores a directory of records, each record comprising at least a name, a phone number, or an e-mail address of a contact,

an operation section, which generates an upload instruction in response to an operation by a user of said mobile phone, and

a transmitting section; and

a directory server, which stores a replica directory of records;

wherein said transmitting section transmits the directory of records from said mobile phone to said directory server, to be stored therein as the replica directory of records, in response to the upload instruction.

13. (previously presented): The directory managing system according to claim 12, wherein:

a group of records of the directory stored in said storage unit of said mobile phone includes an edit flag;

said mobile phone further comprises an editing section which edits the group of records including the edit flag in response to an operation by the user; and

said transmitting section of said mobile phone transmits the records of the group including the edit flag to said directory server in response to the upload instruction, such that the group of records including the edit flag is stored as part of the replica directory of records in said directory server.

14. (previously presented): The directory managing system according to claim 13, wherein the group of records comprises only one record.

15. (previously presented): The directory managing system according to claim 12, wherein:

said operation section generates a download instruction in response to an operation by the user; and

said transmitting section transmits the download instruction to said directory server;

said mobile phone further comprises a receiving section, which receives the replica directory of records from said directory server in response to the download instruction; and

each of the records comprises at least a name, a phone number, or an e-mail address of a contact.

Claims 16-22. (canceled).

23. (previously presented): A communication control method, comprising:

in response to a communication request from a contact, referring to a directory of records, each record comprising data of a contact, to determine whether or not a connection with the contact is permitted; and

connecting a communication from the contact if the connection is permitted, and discarding the communication from the contact if the connection is not permitted.

24. (previously presented): The communication control method, according to claim 23, wherein each record comprises at least a name, a phone number, or an e-mail address of a contact.

25. (previously presented): The communication control method, according to claim 23, wherein the communication request is a phone call from a contact.

26. (previously presented): The communication control method, according to claim 23, wherein the communication request is an e-mail from a contact.

27. (previously presented): A method of creating a directory of records, comprising:

inputting at least one record into a storage unit in a mobile phone;

transmitting, via an antenna in the mobile phone, the records stored in the storage unit of the mobile phone to a telephone directory server in a communication control network;

uploading the records to the telephone directory server, thereby creating a replica directory of records.

28. (cancelled): A method of restoring a directory of records in a mobile phone,
comprising:

instructing, via a mobile phone, a telephone directory server, in which a directory of
records is stored, to restore the directory of records in the mobile phone;

retrieving the directory of records from the telephone directory server;

transmitting the retrieved directory of records to the mobile phone;

uploading the transmitted directory of records to a storage unit in the mobile phone.